

Claims

- [c1] A transponder–reader transaction system configured with a biometric security system, said system comprising:
- a transponder configured to communicate with a reader;
 - a reader configured to communicate with said system;
 - a biometric sensor configured to detect a proffered biometric sample, said biometric sensor configured to communicate with said system; and,
 - a device configured to verify said proffered biometric sample to facilitate a transaction.
- [c2] The transponder–reader transaction system of claim 1, wherein said sensor is configured to communicate with said system via at least one of a transponder, a reader, and a network.
- [c3] The transponder–reader transaction system of claim 1, wherein said biometric sensor is configured to facilitate a finite number of scans.
- [c4] The transponder–reader transaction system of claim 1, wherein said biometric sensor is configured to log at least one of a detected biometric sample, processed bio–

metric sample and stored biometric sample.

- [c5] The transponder–reader transaction system of claim 1, further including a database configured to store a data packet, wherein said data packet includes at least one of proffered and registered biometric samples, proffered and registered user information, terrorist information, and criminal information.
- [c6] The transponder–reader transaction system of claim 5, wherein said database is contained in at least one of the transponder, transponder reader, sensor, remote server, merchant server and transponder–reader system.
- [c7] The transponder–reader transaction system of claim 6, wherein said remote database is configured to be operated by an authorized sample receiver.
- [c8] The transponder–reader transaction system of claim 1, further including a device configured to compare a proffered biometric sample with stored biometric sample.
- [c9] The transponder–reader transaction system of claim 8, wherein said device is configured to compare at least one characteristic of a biometric sample including minutia, vascular patterns, prints, waveforms, odorants, nodal points, reference points, size, shape, thermal patterns, blood flow, and body heat.

- [c10] The transponder–reader transaction system of claim 8, wherein said device configured to compare a biometric sample is at least one of a third–party security vendor device and protocol/sequence controller.
- [c11] The transponder–reader transaction system of claim 8, wherein a stored biometric sample comprises a registered biometric sample.
- [c12] The transponder–reader transaction system of claim 11, wherein a registered biometric sample is associated with at least one of: personal information, credit card information, debit card information, savings account information, and loyalty point information.
- [c13] The transponder–reader transaction system of claim 12, wherein different registered biometric samples are associated with a different one of: personal information, credit card information, debit card information, savings account information, and loyalty point information.
- [c14] The transponder–reader transaction system of claim 12, wherein a biometric sample is primarily associated with at least one of first user information, wherein said first information comprises personal information, credit card information, debit card information, savings account information, and loyalty point information, and wherein a

biometric sample is secondarily associated with at least one of second user information, wherein said second information comprises personal information, credit card information, debit card information, savings account information, and loyalty point information, where second user information is different than first user information.

[c15] The transponder–reader transaction system of claim 1, wherein said transponder–reader transaction system is configured to begin mutual authentication upon verification of said proffered biometric sample.

[c16] The transponder–reader transaction system of claim 1, wherein said transponder is configured to deactivate upon rejection of said proffered biometric sample.

[c17] The transponder–reader transaction system of claim 1, wherein said sensor is configured to provide a notification upon detection of a sample.

[c18] The transponder–reader transaction system of claim 1, wherein said device configured to verify is configured to facilitate at least one of access, activation of a device, a financial transaction, and a non–financial transaction.

[c19] The transponder–reader transaction system of claim 1, wherein said device configured to verify is configured to facilitate the use of at least one secondary security pro–

cedure.